(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. BAE-11002/15

Total Pages in this Submission 33

### TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

Transmitted herewith	for filing under 35 U.	S.C. 111(a) and	37 C.F.R. 1.53(	b) is a new utility p	patent application for an
invention entitled:					

and invented by:  25006  STEPHEN BRUCK DAVID GRABLE  If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:  Continuation Divisional Continuation-in-part (CIP) of prior application No.:  Which is a:  Continuation Divisional Continuation-in-part (CIP) of prior application No.:  Which is a:  Continuation Divisional Continuation-in-part (CIP) of prior application No.:  Philips fee as calculated and transmitted as described below  2. Specification having 9 pages and including the following:  a. Descriptive Title of the Invention  b. Cross References to Related Applications (if applicable)  c. Statement Regarding Federally-sponsored Research/Development (if applicable)  d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix  e. Background of the Invention  f. Brief Summary of the Invention  g. Brief Description of the Drawings (if filed)  h. Detailed Description  i. Claim(s) as Classified Below  j. Abstract of the Disclosure	1	INER MECHANISI Y APERTURED PA		TING A ROTATABLE	CAM CO-ACTING WITHIN AN	PTO	
and invented by:    STEPHEN BRUCK   DAVID GRABLE				•		, <del>-</del>	
If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:   Continuation   Divisional   Continuation-in-part (CIP) of prior application No.:	and invented by				25006	269/	
Continuation Divisional Continuation-in-part (CIP) of prior application No.:   Which is a: Continuation Divisional Continuation-in-part (CIP) of prior application No.:   Which is a: Continuation Divisional Continuation-in-part (CIP) of prior application No.:   Enclosed are: Application Elements   1.					PATENT TRADEMARK OFFICE	2215	
Which is a:  Continuation Divisional Continuation-in-part (CIP) of prior application No.:  Which is a: Continuation Divisional Continuation-in-part (CIP) of prior application No.:  Enclosed are:  Application Elements  1. Siling fee as calculated and transmitted as described below  2. Specification having	If a CONTINU	ATION APPLICATI	<b>ON</b> , check appr	opriate box and supply	the requisite information:		
Continuation □ Divisional □ Continuation-in-part (CIP) of prior application No.:  Which is a: □ Continuation □ Divisional □ Continuation-in-part (CIP) of prior application No.:  Enclosed are:  Application Elements  1. ☑ Filing fee as calculated and transmitted as described below  2. ☑ Specification having □ 9 pages and including the following:  a. ☑ Descriptive Title of the Invention  b. □ Cross References to Related Applications (if applicable)  c. □ Statement Regarding Federally-sponsored Research/Development (if applicable)  d. □ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix  e. ☒ Background of the Invention  f. ☒ Brief Summary of the Invention  g. ☒ Brief Description of the Drawings (if filed)  h. ☒ Detailed Description  i. ☒ Claim(s) as Classified Below	☐ Continua	tion 🗌 Divisio	nal 🗌 Cont	inuation-in-part (CIP)	of prior application No.:		
Which is a:  Continuation Divisional Continuation-in-part (CIP) of prior application No.:  Enclosed are:  Application Elements  1.  Seriling fee as calculated and transmitted as described below  2.  Specification having 9 pages and including the following:  a.  Descriptive Title of the Invention b. Cross References to Related Applications (if applicable)  c. Statement Regarding Federally-sponsored Research/Development (if applicable)  d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix  e. Background of the Invention  f. Brief Summary of the Invention  g. Brief Description of the Drawings (if filed)  h. Detailed Description  i. Claim(s) as Classified Below	Which is a:						
Enclosed are:  Application Elements  1.  Sepecification having 9 pages and including the following:  a.  Descriptive Title of the Invention b.  Cross References to Related Applications (if applicable) c.  Statement Regarding Federally-sponsored Research/Development (if applicable) d.  Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix e.  Background of the Invention f.  Brief Summary of the Invention g.  Brief Description of the Drawings (if filed) h.  Detailed Description i.  Claim(s) as Classified Below		tion 🗌 Divisio	nal 🗌 Cont	inuation-in-part (CIP)	of prior application No.:		
Application Elements  1.  Sepecification having 9 pages and including the following:  a. Descriptive Title of the Invention b. Cross References to Related Applications (if applicable) c. Statement Regarding Federally-sponsored Research/Development (if applicable) d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix e. Background of the Invention f. Brief Summary of the Invention g. Brief Description of the Drawings (if filed) h. Detailed Description i. Claim(s) as Classified Below							
Application Elements  1.  Serial Filing fee as calculated and transmitted as described below  2.  Specification having	☐ Continua	tion ⊔ Divisio	nal U Cont	inuation-in-part (CIP)	of prior application No.:		
<ul> <li>1.  \( \Sigma\$ Filing fee as calculated and transmitted as described below</li> <li>2.  \( \Sigma\$ Specification having</li></ul>	Enclosed are:		_				
2. ☑ Specification having 9 pages and including the following:  a. ☑ Descriptive Title of the Invention  b. ☐ Cross References to Related Applications (if applicable)  c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)  d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix  e. ☒ Background of the Invention  f. ☒ Brief Summary of the Invention  g. ☒ Brief Description of the Drawings (if filed)  h. ☒ Detailed Description  i. ☒ Claim(s) as Classified Below			A	pplication Elements			
a. ☑ Descriptive Title of the Invention  b. ☐ Cross References to Related Applications (if applicable)  c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)  d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix  e. ☒ Background of the Invention  f. ☒ Brief Summary of the Invention  g. ☒ Brief Description of the Drawings (if filed)  h. ☒ Detailed Description  i. ☒ Claim(s) as Classified Below	1 🗵 Filii	ng fee as calculated	d and transmitte	d as described below	•		
<ul> <li>b. ☐ Cross References to Related Applications (if applicable)</li> <li>c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)</li> <li>d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix</li> <li>e. ☒ Background of the Invention</li> <li>f. ☒ Brief Summary of the Invention</li> <li>g. ☒ Brief Description of the Drawings (if filed)</li> <li>h. ☒ Detailed Description</li> <li>i. ☒ Claim(s) as Classified Below</li> </ul>	2. 🛭 Spe	ecification having	9	pages and ir	ncluding the following:		
c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)  d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix  e. ☒ Background of the Invention  f. ☒ Brief Summary of the Invention  g. ☒ Brief Description of the Drawings (if filed)  h. ☒ Detailed Description  i. ☒ Claim(s) as Classified Below	a. 🛚	Descriptive Title	of the Invention				
<ul> <li>d.</li></ul>	b. 🗀	Cross Reference	s to Related App	olications (if applicable)			
e. ☒ Background of the Invention  f. ☒ Brief Summary of the Invention  g. ☒ Brief Description of the Drawings (if filed)  h. ☒ Detailed Description  i. ☒ Claim(s) as Classified Below	c. 🗆	Statement Regar	ding Federally-s	ponsored Research/De	velopment (if applicable)		
f. ⊠ Brief Summary of the Invention  g. ☒ Brief Description of the Drawings (if filed)  h. ☒ Detailed Description  i. ☒ Claim(s) as Classified Below	d. 🔲	Reference to Sec	uence Listing, a	Table, or a Computer I	Program Listing Appendix		
g. ☒ Brief Description of the Drawings (if filed)  h. ☒ Detailed Description  i. ☒ Claim(s) as Classified Below	e. 🛚	Background of th	e Invention				
h. ⊠ Detailed Description i. ⊠ Claim(s) as Classified Below	f. 🗵	Brief Summary of	f the Invention				
i. ⊠ Claim(s) as Classified Below	g. 🛛	Brief Description of the Drawings (if filed)					
	h. 🗵	Detailed Description					
j. 🗵 Abstract of the Disclosure	i. 🗵	Claim(s) as Class	sified Below				
	j. 🛛	Abstract of the Di	isclosure				

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. **BAE-11002/15** 

Total Pages in this Submission 33

### **Application Elements (Continued)** $\times$ Drawing(s) (when necessary as prescribed by 35 USC 113) Formal a. 🔀 Number of Sheets b. 🗆 Informal Number of Sheets Oath or Declaration a. 🛚 🗙 Newly executed (original or copy) Unexecuted Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only) b. 🔲 c. 🛛 With Power of Attorney ☐ Without Power of Attorney **DELETION OF INVENTOR(S)** d. 🔲 Signed statement attached deleting inventor(s) named in the prior application. see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix) ☑ Application Data Sheet (See 37 CFR 1.76) □ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included) a. Computer Readable Form (CFR) b. 🔲 Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or ii. 🔲 Paper c. Statement(s) Verifying Identical Paper and Computer Readable Copy **Accompanying Application Parts** Assignment Papers (cover sheet & document(s)) 10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee) 11. ☐ English Translation Document (if applicable) ☐ Information Disclosure Statement/PTO-1449 □ Copies of IDS Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Certificate of Mailing

First Class 

Express Mail (Specify Label No.): EV 339615025US

Docket No. **BAE-11002/15** 

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission 33

		Accompanying Application Parts (Continued)
17.	X	Applicant claims small entity status. See 37 CFR 1.27.
		☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:
18.		Additional Enclosures (please identify below):
•		
•		
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
19.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. **BAE-11002/15** 

Total Pages in this Submission 33

### Fee Calculation and Transmittal

#### **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee **Total Claims** - 20 = 13 \$0.00 0 \$9.00 х Indep. Claims 2 - 3 = 0 \$42.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 **BASIC FEE** \$375.00 OTHER FEE (specify purpose) **Assignment Recordal** \$40.00 **TOTAL FILING FEE** \$415.00 ☑ A check in the amount of \$415.00 to cover the filing fee is enclosed. ☑ The Director is hereby authorized to charge and credit Deposit Account No. 07-1180 as described below. ☐ Charge the amount of as filing fee. ☑ Credit any overpayment. ☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance. pursuant to 37 C.F.R. 1.311(b). Dated: **September 10, 2003** Signature Douglas J. McEvoy, Reg. No. 34,385 Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C. 280 North Old Woodward - Suite 400 Birmingham, MI 48009 (248) 647-6000 CC: